

FLUORORUBBER MOLDING AND PREPARATION THEREOF

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Abstract of JP2261850

PURPOSE: To decrease frictional coefficient and to improve mechanical characteristic by incorporating a fluororubber and a specified amt. of a fluoro-resin powder.

CONSTITUTION: A fluororubber compd. is obtd. by compounding and kneading 100 pts.wt. fluororubber (A) which is pref. a rubber of formula I or II, 30 to 150 pts.wt. fluoro-resin powder (B) with a mean particle diameter of 0.5 to 50mm, pref. 3 to 30mm, which is pref. polytetrafluoroethylene with an MW of 1,000 to 30,000, 2 to 40 pts.wt. org. solvent (C) with good compatibility with the component A, a low b.p. and easily removable by evaporating at a heat-treating temp. before molding (e.g. acetone), 0.5 to 7.0 pts.wt. vulcanization agent (D) (e.g. N,N'-dicinnamylidene-1,6-hexanediamine) and, if necessary, 1 to 100 pts.wt. filler (E). After this compound is heat-treated at 60 to 130 deg.C for 5 to 60min to remove the component C, it is fed in a mold wherein vulcanization molding is performed.

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